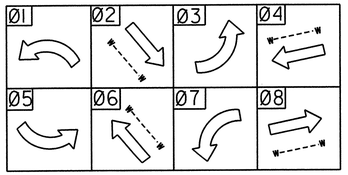
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	HPP-9014(25)	72	140

REVISION DATES

PHASING DIAGRAM



LIST OF MATERIALS

MATERIALS	UNIT	QUANTITY
CABINET CONTROLLER ASSEMBLIES		
A. CONTROLLER UNIT, MODEL 2070L	EA	1
D. CABINET ASSEMBLY, MODEL 332	EA	1
E. SWITCH PACK	EA	12
F. DC ISOLATOR	EA	3
G. LOOP DETECTOR, 2 CHANNEL	EA	12
J. CONFLICT MONITOR, EXTENDED FEATURES	EA	1
LOOP/PED LEAD-IN WIRE (SHIELDED, TWISTED/1000 FT) 1 PAIR, 14 AWG	REEL	3
SIGNAL CABLE (14 AWG, 12-CONDUCTOR, PER 1000 FT).	REEL	2
LOOP DETECTOR WIRE (14 AWG, STRANDED/1000 FT)	REEL	4
ONE-WAY, 3-SECTION, 12" EXPANDED VIEW LED SIGNAL HEAD, PLASTIC	EA	4
ONE-WAY, 5-SECTION, 12" EXPANDED VIEW LED SIGNAL HEAD (CLUSTER), PLASTIC	EA	4
ONE-WAY, 1-SECTION, 18" PEDESTRIAN LED SIGNAL HEAD, FULL, SIDE BY SIDE	EA	8
PEDESTRIAN PUSH BUTTON AND SIGN	EA	8
HARDWARE FOR MAST ARM ERECTION	EA	8
HARDWARE FOR BRACKET ERECTION ON STEEL, CONCRETE OR WOOD POLES FOR 18" PEDESTRIAN SIGNAL HEADS, ONE-WAY MOUNTING	EA	6
HARDWARE FOR PEDESTAL ERECTION FOR 18" PEDESTRIAN SIGNAL HEADS, TWO-WAY MOUNTING	EA	1
PEDESTAL POLE 10'	EA	1
PULL BOX, PB 1	EA	11
PULL BOX, PB 2	EA	4
PULL BOX, PB 3	EA	1
LOOP SAW CUT	LF	1600
CONDUIT, 1", NONMETAL	LF	120
CONDUIT, 2", NONMETAL	LF	290
BATTERY BACKUP SYSTEM	EA	1
MISC MATL TO COMPLETE INSTALLATION	LUMP	LUMP

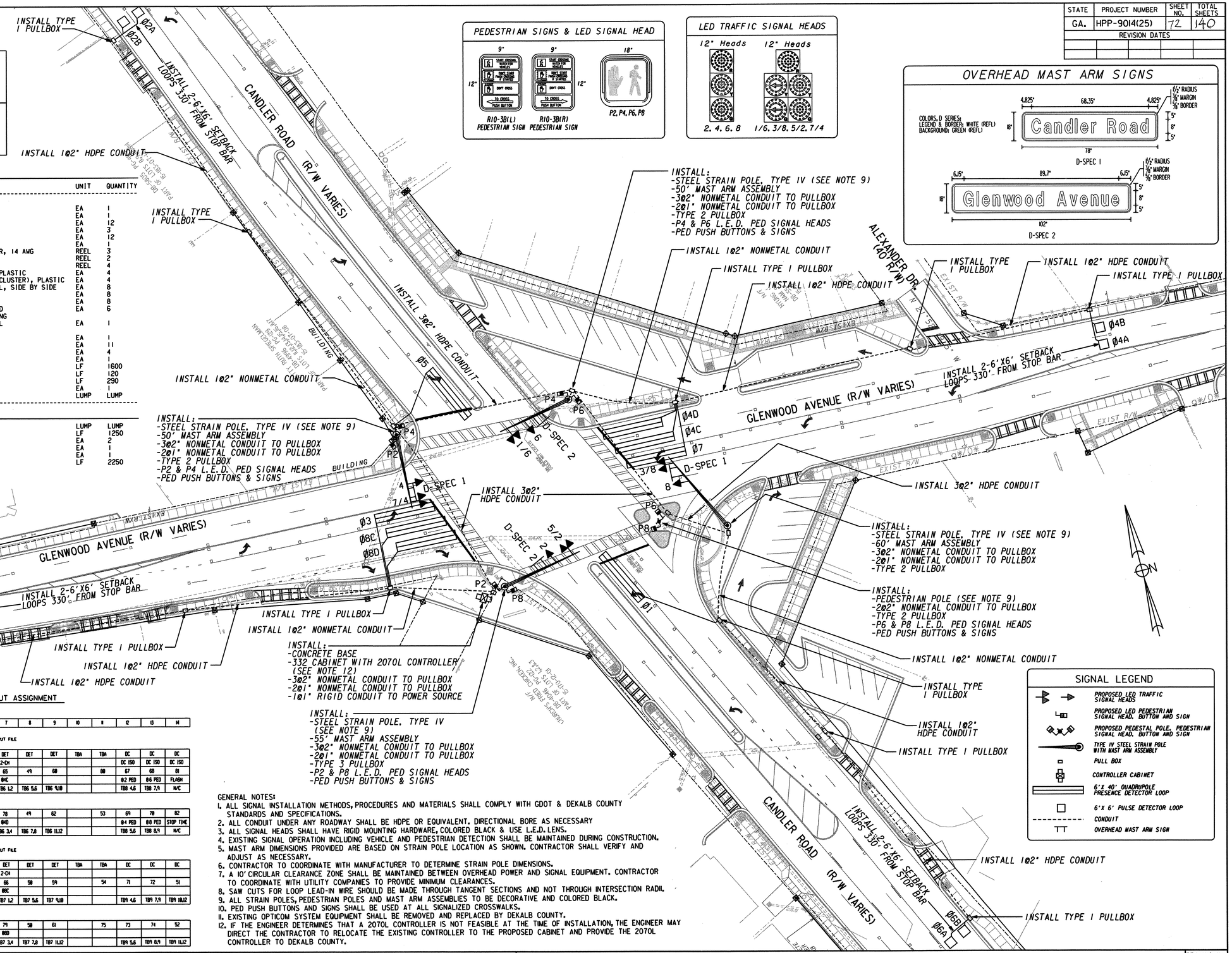
PAY ITEMS

647-1000	TRAFFIC SIGNAL INSTALLATION NO. 1	LUMP	LUMP
615-1200	DIRECTIONAL BORE	LF	1250
639-3004	STEEL STRAIN POLE WITH 50' MAST ARM ASSEMBLY	EA	2
639-3004	STEEL STRAIN POLE WITH 55' MAST ARM ASSEMBLY	EA	1
639-3004	STEEL STRAIN POLE WITH 60' MAST ARM ASSEMBLY	EA	1
682-6233	CONDUIT, NONMETAL, TP 3, 2"	LF	2250

PEDESTRIAN SIGNS & LED SIGNAL HEAD

LED TRAFFIC SIGNAL HEADS

OVERHEAD MAST ARM SIGNS



332 CABINET INPUT ASSIGNMENT

SLOT	1	2	3	4	5	6	7	8	9	10	11	12	13	14
UPPER INPUT FILE														
	TYPE	DET	DET	DET	DET	DET	DET	DET	DET	DET	TBA	TBA	DC	DC	DC
	CARD	2-CH	2-CH	2-CH		2-CH	2-CH	2-CH					DC 150	DC 150	DC 150
CHANNEL 1	C1 PIN	56	39	63	47	58	41	65	49	68		88	67	68	81
	FUNCTION	81	82A			83	84A	84C					82 PED	86 PED	FLASH
	FIELD TERM	TB2 1,2	TB2 5,6	TB2 9,10	TB4 1,2	TB4 5,6	TB4 9,10	TB6 1,2	TB6 5,6	TB6 9,10			TB8 4,6	TB8 7,9	N/C
CHANNEL 2	C1 PIN	56	43	76	47	58	45	78	49	62		53	69	70	82
	FUNCTION		82B				84B	84D					84 PED	88 PED	STOP TIME
	FIELD TERM	TB2 3,4	TB2 7,8	TB2 11,12	TB4 3,4	TB4 7,8	TB4 11,12	TB6 3,4	TB6 7,8	TB6 11,12			TB8 5,6	TB8 8,9	N/C
LOWER INPUT FILE														
	TYPE	DET	DET	DET	DET	DET	DET	DET	DET	DET	TBA	TBA	DC	DC	DC
	CARD	2-CH	2-CH	2-CH		2-CH	2-CH	2-CH							
CHANNEL 1	C1 PIN	55	40	64	48	57	42	66	50	59		54	71	72	51
	FUNCTION	85	86A			87	88A	88C							
	FIELD TERM	TB3 1,2	TB3 5,6	TB3 9,10	TB5 1,2	TB5 5,6	TB5 9,10	TB7 1,2	TB7 5,6	TB7 9,10			TB9 4,6	TB9 7,9	TB9 10,12
CHANNEL 2	C1 PIN	55	44	77	48	57	46	79	50	61		75	73	74	52
	FUNCTION		86B				88B	88D							
	FIELD TERM	TB3 3,4	TB3 7,8	TB3 11,12	TB5 3,4	TB5 7,8	TB5 11,12	TB7 3,4	TB7 7,8	TB7 11,12			TB9 5,6	TB9 8,9	TB9 11,12

SIGNAL LEGEND

- PROPOSED LED TRAFFIC SIGNAL HEADS
- PROPOSED LED PEDESTRIAN SIGNAL HEAD, BUTTON AND SIGN
- PROPOSED PEDESTAL POLE, PEDESTRIAN SIGNAL HEAD, BUTTON AND SIGN
- TYPE IV STEEL STRAIN POLE WITH MAST ARM ASSEMBLY
- PULL BOX
- CONTROLLER CABINET
- 6'X 40' QUADRUPOLE PRESENCE DETECTOR LOOP
- 6'X 6' PULSE DETECTOR LOOP
- CONDUIT
- OVERHEAD MAST ARM SIGN

GENERAL NOTES:

1. ALL SIGNAL INSTALLATION METHODS, PROCEDURES AND MATERIALS SHALL COMPLY WITH GDOT & DEKALB COUNTY STANDARDS AND SPECIFICATIONS.
2. ALL CONDUIT UNDER ANY ROADWAY SHALL BE HDPE OR EQUIVALENT. DIRECTIONAL BORE AS NECESSARY
3. ALL SIGNAL HEADS SHALL HAVE RIGID MOUNTING HARDWARE, COLORED BLACK & USE L.E.D. LENS.
4. EXISTING SIGNAL OPERATION INCLUDING VEHICLE AND PEDESTRIAN DETECTION SHALL BE MAINTAINED DURING CONSTRUCTION.
5. MAST ARM DIMENSIONS PROVIDED ARE BASED ON STRAIN POLE LOCATION AS SHOWN. CONTRACTOR SHALL VERIFY AND ADJUST AS NECESSARY.
6. CONTRACTOR TO COORDINATE WITH MANUFACTURER TO DETERMINE STRAIN POLE DIMENSIONS.
7. A 10' CIRCULAR CLEARANCE ZONE SHALL BE MAINTAINED BETWEEN OVERHEAD POWER AND SIGNAL EQUIPMENT. CONTRACTOR TO COORDINATE WITH UTILITY COMPANIES TO PROVIDE MINIMUM CLEARANCES.
8. SAW CUTS FOR LOOP LEAD-IN WIRE SHOULD BE MADE THROUGH TANGENT SECTIONS AND NOT THROUGH INTERSECTION RADII.
9. ALL STRAIN POLES, PEDESTRIAN POLES AND MAST ARM ASSEMBLIES TO BE DECORATIVE AND COLORED BLACK.
10. PED PUSH BUTTONS AND SIGNS SHALL BE USED AT ALL SIGNALIZED CROSSWALKS.
11. EXISTING OPTICOM SYSTEM EQUIPMENT SHALL BE REMOVED AND REPLACED BY DEKALB COUNTY.
12. IF THE ENGINEER DETERMINES THAT A 2070L CONTROLLER IS NOT FEASIBLE AT THE TIME OF INSTALLATION, THE ENGINEER MAY DIRECT THE CONTRACTOR TO RELOCATE THE EXISTING CONTROLLER TO THE PROPOSED CABINET AND PROVIDE THE 2070L CONTROLLER TO DEKALB COUNTY.

SCALE IN FEET
0 30 60 120

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE OF URBAN DESIGN

URS
400 NORTHPARK TOWN CENTER, SUITE 900
1000 ABERNATHY ROAD NE
ATLANTA, GEORGIA 30328
TEL: (678) 808-8800 FAX: (678) 808-8400

CANDLER ROAD ARTERIAL ENHANCEMENT — SIGNAL PLAN

DRAWING NO. 27-01

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